

## EAST Search History

| Ref # | Hits  | Search Query  | DBs      | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|----------|------------------|---------|------------------|
| L1    | 2301  | 438/585.ccls. or 438/587.ccls. or 438/588.ccls. or 438/593.ccls. or 438/595.ccls.   | USPAT    | OR               | ON      | 2006/12/15 19:43 |
| L2    | 2168  | 1 not ("2006".ay. or "2005".ay. or "2004".ay.)  | USPAT    | OR               | ON      | 2006/12/15 19:48 |
| L3    | 1176  | 2 and (etch\$3 with (electrode or conductive))  | USPAT    | OR               | ON      | 2006/12/15 19:47 |
| L4    | 147   | 3 and ((first and second) near3 dielectric)   | USPAT    | OR               | ON      | 2006/12/15 19:46 |
| L5    | 0     | 2 and (etch\$3 with (electrode or conductive))  | US-PGPUB | OR               | ON      | 2006/12/15 19:47 |
| L6    | 38590 | (etch\$3 with (electrode or conductive))  | US-PGPUB | OR               | ON      | 2006/12/15 19:47 |
| L7    | 3139  | (etch\$3 with (electrode or conductive)) and ((first and second) with (stack or gate)) and ((first and second) with dielectric) | US-PGPUB | OR               | ON      | 2006/12/15 19:48 |
| L8    | 2116  | 7 and (etch\$3 with dielectric)   | US-PGPUB | OR               | ON      | 2006/12/15 19:48 |
| L9    | 1093  | 8 and ((gate adj electrode) and semiconductor and mask)   | US-PGPUB | OR               | ON      | 2006/12/15 19:48 |
| L10   | 523   | 9 not ("2006".ay. or "2005".ay. or "2004".ay.)  | US-PGPUB | OR               | ON      | 2006/12/15 19:49 |
| L11   | 125   | 10 and (etch\$3 near4 rate)   | US-PGPUB | OR               | ON      | 2006/12/15 19:49 |
| L12   | 8     | 11 and (floating adj gate)  | US-PGPUB | OR               | ON      | 2006/12/15 19:49 |
| S1    | 1     | ("20010046738").PN.   | US-PGPUB | OR               | OFF     | 2006/07/18 14:25 |
| S2    | 1     | ("20030224574").PN.   | US-PGPUB | OR               | OFF     | 2006/02/02 20:38 |
| S3    | 1     | ("6184151").PN.   | USPAT    | OR               | OFF     | 2006/02/02 20:39 |
| S4    | 2     | ((("20020155714") or ("20030235987")).PN.   | US-PGPUB | OR               | OFF     | 2006/02/02 21:20 |
| S5    | 1980  | misfet  | USPAT    | OR               | ON      | 2006/02/02 21:20 |
| S6    | 1915  | S5 and gate   | USPAT    | OR               | ON      | 2006/02/02 21:20 |
| S7    | 964   | S5 and (gate with etch\$3)  | USPAT    | OR               | ON      | 2006/02/03 10:57 |
| S8    | 931   | S7 not ("2006".ay. or "2005".ay. or "2004".ay.)   | USPAT    | OR               | ON      | 2006/02/02 21:29 |
| S9    | 2461  | 438/197.ccls. or 438/585.ccls. or 438/588.ccls. or 438/593.ccls. or 438/595.ccls.   | USPAT    | OR               | ON      | 2006/02/02 21:39 |
| S10   | 2390  | S9 not ("2006".ay. or "2005".ay. or "2004".ay.)   | USPAT    | OR               | ON      | 2006/02/03 10:56 |
| S11   | 71    | S10 and misfet  | USPAT    | OR               | ON      | 2006/02/02 21:30 |

## EAST Search History

|     |       |  |       |    |    |                  |
|-----|-------|--|-------|----|----|------------------|
| S12 | 1905  | 438/585.ccls. or 438/588.ccls. or 438/593.ccls. or 438/595.ccls.                         | USPAT | OR | ON | 2006/12/15 19:43 |
| S13 | 706   | 438/197.ccls.  | USPAT | OR | ON | 2006/02/02 21:39 |
| S14 | 1871  | S12 not ("2006".ay. or "2005".ay. or "2004".ay.)   | USPAT | OR | ON | 2006/02/02 21:44 |
| S15 | 1143  | S14 and dielectric   | USPAT | OR | ON | 2006/02/02 21:39 |
| S16 | 19    | S14 and (dielectric and gate and (first adj electrode) and (second adj electrode))       | USPAT | OR | ON | 2006/02/02 21:44 |
| S17 | 3388  | dielectric and gate and (first adj electrode) and (second adj electrode)                 | USPAT | OR | ON | 2006/02/02 21:44 |
| S18 | 3320  | S17 not ("2006".ay. or "2005".ay. or "2004".ay.)   | USPAT | OR | ON | 2006/02/02 21:44 |
| S19 | 2114  | S18 and etch\$3  | USPAT | OR | ON | 2006/02/02 21:45 |
| S20 | 289   | S19 and (etch\$3 with (dielectric and gate))   | USPAT | OR | ON | 2006/02/03 10:56 |
| S21 | 2284  | (stacked adj gate)   | USPAT | OR | ON | 2006/02/03 10:56 |
| S22 | 2213  | S21 not ("2006".ay. or "2005".ay. or "2004".ay.)   | USPAT | OR | ON | 2006/02/03 10:57 |
| S23 | 34608 | (stacked adj gate) or (flash adj memory) or ((control adj gate) and (floating adj gate)) | USPAT | OR | ON | 2006/02/03 10:57 |
| S24 | 252   | S23 and misfet   | USPAT | OR | ON | 2006/02/03 10:57 |
| S25 | 33775 | S23 not ("2006".ay. or "2005".ay. or "2004".ay.)   | USPAT | OR | ON | 2006/02/03 10:57 |
| S26 | 4527  | S25 and (gate with etch\$3)  | USPAT | OR | ON | 2006/02/03 10:57 |
| S27 | 136   | S26 and misfet   | USPAT | OR | ON | 2006/02/03 11:33 |
| S28 | 66501 | gate with electrode  | USPAT | OR | ON | 2006/02/03 11:34 |
| S29 | 790   | 438/585.ccls.  | USPAT | OR | ON | 2006/02/03 11:34 |
| S30 | 511   | S29 and (gate with electrode)  | USPAT | OR | ON | 2006/02/03 11:34 |
| S31 | 4757  | (gate with electrode)  | USOCR | OR | ON | 2006/02/03 11:35 |
| S32 | 1167  | S31 and (electrode with field)   | USOCR | OR | ON | 2006/02/03 11:43 |
| S33 | 0     | electrode adj are adj gate   | USOCR | OR | ON | 2006/02/03 11:41 |
| S34 | 2965  | electrode near2 gate   | USOCR | OR | ON | 2006/02/03 11:43 |
| S35 | 910   | S34 and (electrode with field)   | USOCR | OR | ON | 2006/02/03 11:43 |
| S36 | 250   | doped adj gate adj electrode   | USPAT | OR | ON | 2006/02/03 14:54 |
| S37 | 4     | (doped adj gate adj electrode) with advantage  | USPAT | OR | ON | 2006/02/03 14:55 |
| S38 | 161   | (dop\$3 with (gate adj electrode)) with advantage  | USPAT | OR | ON | 2006/02/03 14:55 |

## EAST Search History

|     |      |  |          |    |     |                  |
|-----|------|--|----------|----|-----|------------------|
| S41 | 4    | ((("6784038") or ("6777279") or ("6680230") or ("6479392"))).PN.           | USPAT    | OR | OFF | 2006/07/18 14:35 |
| S42 | 679  | mosfet and (first adj dielectric) and (second adj dielectric)              | USPAT    | OR | ON  | 2006/07/18 14:37 |
| S43 | 647  | S42 not ("2006".ay. or "2005".ay. or "2004".ay.)                           | USPAT    | OR | ON  | 2006/07/18 14:37 |
| S44 | 2391 | mosfet and (floating adj gate)   | USPAT    | OR | ON  | 2006/07/18 14:37 |
| S45 | 588  | (floating adj gate) and (first adj dielectric) and (second adj dielectric) | USPAT    | OR | ON  | 2006/07/18 14:37 |
| S46 | 550  | S45 not ("2006".ay. or "2005".ay. or "2004".ay.)                           | USPAT    | OR | ON  | 2006/07/18 15:03 |
| S47 | 1    | ("20030042535").PN.  | US-PGPUB | OR | OFF | 2006/07/18 14:44 |
| S48 | 0    | S46 and ((second adj dielectric) with (etchstop))                          | USPAT    | OR | ON  | 2006/07/18 15:04 |
| S49 | 2    | S46 and ((second adj dielectric) with (etch-stop))                         | USPAT    | OR | ON  | 2006/07/18 15:04 |